

AMENDMENT TO THE CLAIMS

IN THE CLAIMS:

Please amend claims 1, 2, 4, 7, 10, 16, 19, and 20. A copy of all pending claims and a status of the claims is provided below.

1. (Currently amended) A method of providing summaries of documents belonging to a class of a classified document collection comprising:

- inducing a set of rules from a sample set of documents, the set of rules being characteristic of the sample input documents;
- comparing extracted words, phrases, and terms ~~and the like~~ appearing in the set of rules induced from the sample set of documents to an individual incoming input document; and
- providing a summary of the individual incoming input document based on matches between the extracted words, phrases, terms ~~and the like~~ and the individual incoming input document.

2. (Currently amended) The method of claim 1, further comprising:

- providing more than one individual incoming input document; and
- comparing the more than one individual incoming input document with the extracted words, phrases, and terms ~~and the like~~ appearing in the set of rules induced from the sample set of documents in order to provide summaries of at least one of the more than one individual incoming input document.

3. (Original) The method of claim 2, wherein the more than one individual incoming input document is at least two individual incoming input documents.

4. (Currently amended) The method of claim 3, wherein:

- the sample set of documents belong to one or more classes of a classified document collection;

the at least two individual incoming input documents belong to the one or more classes of the classified document collection; and

the comparing step compares the at least two individual incoming input documents with the extracted words, phrases, and terms ~~and the like~~ appearing in the set of rules in order to provide a summary for each of the at least two individual incoming input documents,

wherein the comparing step compares a same class of the at least two individual incoming input documents and the sample set of documents.

5. (Original) The method of claim 1, wherein:

the sample set of documents belong to one or more classes of a classified document collection; and

the individual incoming input document belongs to one of the one or more classes of the classified document collection.

6. (Original) The method of claim 5, wherein the comparing step compares a same class of the individual incoming input document and the sample set of documents in order to provide a summary for the individual incoming input document.

7. (Currently amended) The method of claim 1, wherein:

the comparing step compares the extracted words, phrases, and terms ~~and the like~~ appearing in the set of rules to words or phrases or terms in the individual incoming input document; and

the summary of the individual incoming input document includes word or term or phrase matches between the individual incoming input document and the extracted words, phrases, and terms ~~and the like~~ appearing in the set of rules.

8. (Original) The method of claim 7, further comprising refining the individual incoming input document prior to the comparing step.

9. (Original) The method of claim 8, wherein the refining step includes (i) stemming, (ii) tokenization or (iii) other morphological text processes.

10. (Currently amended) The method of claim 1, further comprising providing an identifying feature of the individual incoming input document associated with the summary of the individual incoming input document, wherein the identifying feature includes at least (i) a title of the individual incoming input document, (ii) a date of creation of the individual incoming input document, and (iii) author's name of the individual incoming input document ~~and the like~~.

Bl 11. (Original) The method of claim 1, further comprising providing a means for obtaining the individual incoming input document after a summary of the individual incoming input document is provided.

14. (Original) The method of claim 1, further comprising training on the sample set of documents in order to induce the set of rules.

15. (Original) A method of providing summaries of documents belonging to a class of a classified document collection comprising:

inducing a set of rules from a sample set of documents belonging to one or more classes of a classified document collection, the induced set of rules being characteristic of the sample input documents;

extracting the set of rules in order to provide a concise description of the one or more classes of the sample documents;

comparing the extracted set of rules to at least one individual incoming input document belonging to a same class as the sample set of documents; and

providing a summary of each of the at least one individual incoming input document based on matches between the set of extracted rules and the individual incoming input document.

16. (Currently amended) A means for providing summaries of documents belonging to a class of a classified document collection comprising:

means for inducing a set of rules from a sample set of documents, the induced set of rules being characteristic of the sample input documents;

means for comparing extracted words, phrases, and terms ~~and the like~~ appearing in the set of rules induced from the sample set of documents to at least one individual incoming input document; and

means for providing a summary of each of the at least one individual incoming input document based on matches between a vocabulary of the set of rules induced from the sample set of documents and the at least one individual incoming input document.

17. (Original) The means of claim 16, wherein the inducing means further comprises means for extracting the set of rules in order to provide a concise description of one or more classes associated with the sample documents.

18. (Original) The means of claim 17, wherein:

the comparing means compares the concise description of the extracted set of rules to the at least one individual incoming input document; and

the summary of the individual incoming input document includes the word or term or phrase matches between the at least one individual incoming input document and the concise description of the extracted set of rules induced from the sample set of documents.

19. (Currently amended) The means of claim 16, further comprising identifying means for identifying the summary as belonging to the at least one individual incoming input document wherein the identifying feature includes at least (i) a title of the document, (ii) a date of creation of the document, and (iii) author's name ~~and the like~~.

20. (Currently amended) The means of claim 16, further comprising means for refining the individual incoming input document prior to the comparing step, wherein the refining includes at least (i) stemming, (ii) tokenization or (iii) morphological text processing ~~and the like~~.

21. (Original) A computer program product comprising:

a computer usable medium having computer readable program code embodied in the medium for query-object synthesis/modification, the computer program product having:

first computer program code for inducing a set of rules from a sample set of documents, the sample set of documents belonging to at least one class of a classified document collection and the set of rules being characteristic of the sample input documents;

second computer program code for extracting the set of rules in order to provide a concise description of one or more classes of the sample documents;

third computer program code for comparing the extracted set of rules to at least one individual incoming input document; and

fourth computer program code for providing a summary of each of the at least one individual incoming input document based on matches between the set of extracted rules and the individual incoming input document.
